

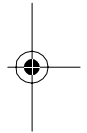
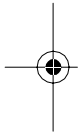
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OWNER'S MANUAL

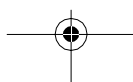
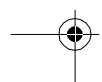
Please read before using this equipment.

SYSTEM 742

Mini Stereo Component System



OPTIMUS®



FEATURES

Your Optimus System 742 Mini Stereo Component System is a versatile and high quality sound system with 10 watts per channel. Its components include a 3-disc carousel CD changer with 32-track memory, AM/FM stereo tuner with 20-station presets, and dual cassette players with high-speed dubbing.

The supplied remote control lets you control the system from across the room. The supplied speakers, which include 5-inch woofers and tweeters, let you immediately begin using your system.

GENERAL

Timer — lets you set the system to automatically turn on, record or play from the desired source, then automatically turn off.

Sleep Timer — lets you set the system to turn off after a set amount of time.

E-Bass æ lets you emphasize bass sounds.

Phones Jack — lets you connect headphones for listening privacy.

Remote Control — lets you control most of the system's functions from a distance.

Note: The remote control requires two AAA batteries (not supplied) for power.

AM/FM STEREO TUNER

Preset Tuning Memory æ lets you store up to 20 of your favorite stations for quick tuning.

CD CHANGER

Automatic CD Changer æ lets you load and play up to three CDs.

Automatic Search æ lets you quickly select any track on a CD.

Repeat Play æ repeats a single track, all tracks on a single CD, all loaded CDs, or a programmed sequence.

Random Play æ plays all the loaded CDs' tracks in random order.

Sequence Track Programming æ lets you program up to 32 tracks to play in any order you choose.

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5- or 3-Inch CD Compatible æ lets you play 5- or 3-inch CDs.

CD Synchro Dubbing — simplifies recording from the CD player to a cassette player.

DUAL CASSETTE PLAYER

Normal or High-Speed Dubbing æ lets you dub tapes at normal or twice the normal speed.

Consecutive Play æ automatically plays one side of two tapes in sequence.

Auto-Stop æ automatically stops the tape when it finishes playing or recording. This protects the tape and tape-handling parts.

CDs that you can play on your system's CD player have this mark on them.



We suggest you write your system's serial number here. The number is on the back of the system.

Serial Number: _____

Warning: To prevent fire or shock hazard, do not expose this product to rain or moisture.

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this system.

Warning: This system employs a laser light beam. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

Note: Most material on compact discs and prerecorded tapes is copyrighted. Unauthorized duplication of copyrighted material is a violation of the copyright laws of most countries and such duplication may result in fines and/or imprisonment. Note, however, that in the United States, it is not a violation of U.S. copyright laws for a consumer to use an audio recording device to duplicate musical recordings for noncommercial (personal) use.

FCC INFORMATION

This system complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against TV or radio interference in a residential area. However, your system might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures.

- Reorient or relocate the TV or radio's receiving antenna.
- Increase the distance between the system and the TV or radio.
- Use outlets on different electrical circuits for the system and the TV or radio.

Consult your local RadioShack store if the problem still exists.

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PREPARATION

Note: Complete all connections before connecting to power and turning on the system.

CONNECTING THE SPEAKERS

CONNECTING ANTENNAS

The system has two antennas. To connect the supplied AM loop antenna, attach it to the **AM LOOP ANTENNA** terminals on the back of the system.

To connect the supplied FM antenna, attach it to the **FM ANTENNA 300W** terminals on the back of the system.

1. Press the red speaker terminal tab labeled **SPEAKERS 8W R+** on the back of the system. Insert the end of the right speaker's red wire into the red (+) terminal, then release the tab.
2. Press the black speaker terminal tab labeled **SPEAKERS 8W R-** on the back of the system. Insert the end of the right speaker's black wire into the black (–) terminal, then release the tab.
3. Repeat Steps 1 and 2 to connect the left speaker to the **SPEAKERS 8W L +** and – terminals.

If you have an outside VHF TV antenna, you can use a signal splitter with a 300-ohm output to connect your stereo system and TV set to the same antenna. Your local RadioShack store has a wide selection of antennas, connectors, and splitters.

INSTALLING THE REMOTE CONTROL'S BATTERIES

The remote control requires two AAA batteries (not supplied) for power. For the best performance and longest life, we recommend alkaline batteries, such as RadioShack Cat. No. 23-555.

Follow these steps to install batteries.

1. Press down and slide off the battery compartment cover.
2. Install the batteries as indicated by the polarity symbols (+) and

(-) marked inside the compartment.

3. Replace the cover.

Cautions:

- If you are not going to use the remote control for a month or more, remove its batteries. Batteries can leak damaging chemicals.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Note: If the remote control operates erratically or does not work at all, replace both batteries.

CONNECTING TO POWER

After you complete all connections, plug the music system's supplied power cord into a standard AC outlet.

Warning: To prevent electric shock, the power cord plug's blades are polarized (one blade is wider than the other) and fit a polarized AC outlet only one way. If you have difficulty inserting the plug, do not force it. Turn it over and reinsert it.

The **STAND BY** indicator lights, and **AM 12:00** flashes on the display (see "Setting the Clock" on Page 11).

USING HEADPHONES

You can use headphones (not supplied) to listen in privacy. Insert the headphones' $\frac{1}{8}$ -inch plug into the **PHONES** jack.

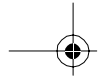
Notes:

- Your local RadioShack store sells a wide selection of headphones.
- Connecting headphones automatically disconnects the speakers.

Listening Safely

To protect your hearing, follow these guidelines when you use headphones.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.



OPERATION

TURNING POWER ON/ OFF

Warning: To protect your hearing, set **VOLUME** to its lowest setting before you turn on the system.

Press **POWER** to turn on the system. The **STAND BY** indicator turns off and the display lights.

USING THE REMOTE CONTROL

The remote control's buttons have the same functions as the corresponding buttons on the system.

To use the remote control, point it toward the remote sensor on the left side of the system's display and press the desired buttons.

Notes:

- Make sure you have a clear path between the remote control and the sensor.
- Weak batteries or direct sunlight on the remote sensor might reduce the remote control's operating range.

SETTING THE CLOCK

1. When the system is off, press **STOP**. The hour digits flash on the display.

Notes:

- Press and hold down **SKIP/TUNING** / or **Y** on the system (or **SKIP/TUNING** **◀◀** **Down** or **Up** **▶▶** on the remote control) to rapidly advance the hour.
- If you do not press **SKIP/TUNING** / or **Y** on the system (or **SKIP/TUNING** **◀◀** **Down** or **Up** **▶▶** on the remote control) within 10 seconds after you press **STOP**, the hour digits stop flashing on the display. Start again from Step 1.

2. While the hour digits flash, repeatedly press **SKIP/TUNING** / or **Y** on the system (or **SKIP/TUNING** **◀◀** **Down** or **Up** **▶▶** on the remote control) to set the desired hour.

3. Press **ENTER**. The minute digits flash.

4. While the minute digits flash, repeatedly press **SKIP/TUNING** / or **Y** on the system (or **SKIP/TUNING** **◀◀** **Down** or **Up** **▶▶** on the remote control) to set the desired minutes.

Note: Press and hold down **SKIP/TUNING** / or **Y** (or **SKIP/TUNING** **◀◀** **Down** or **Up** **▶▶** on the remote control) to rapidly advance the minutes.

5. Press **ENTER** or wait 10 seconds. The minute digits stop flashing and the time is set.

Note: In the event of a power failure, the display will flash and the clock must be reset.

BASIC OPERATION

1. Press **TUNER/BAND**, **TAPE**, or **CD PLAY/PAUSE** to select the desired audio source.

2. If you select **TUNER/BAND**, select the desired station (see "Using the Tuner" on Page 14).

If you select **CD PLAY/PAUSE** or **TAPE**, start the selected audio source (see "Using the CD Changer" on Page 16 or "Using the Cassette Deck" on Page 22).

3. Adjust **VOLUME** to a comfortable listening level.

4. Adjust **BALANCE** until you can hear the sound equally from the left and right speakers.

5. Press **E-BASS** to emphasize bass sounds. The E-BASS indicator lights. To return to normal bass sounds, press **E-BASS** again. The E-BASS indicator turns off.

6. To turn off the system, press **POWER**. The **STAND BY** indicator lights.

USING MUTE

The **Mute** button on the remote control lets you temporarily silence the sound.

Press **Mute** to mute the sound. The MUTE indicator lights.

Press **Mute** again or adjust **VOLUME** on the remote control to restore sound. The MUTE indicator turns off.

Notes:

- When the sound is muted, using **VOLUME** on the system does not have any effect until the sound is restored.
- You can also cancel MUTE by turning the system off and back on again.

USING THE TUNER

Press **TUNER/BAND** to use the system's tuner.

Note: When you select **TUNER/BAND**, the system automatically tunes to the last selected station.

You can tune to AM or FM radio stations using manual, seek, or memory tuning.

MANUAL TUNING

1. Press **TUNER/BAND** to select AM or FM. **AM** or **FM** appears on the display.

If you selected FM:

- Press **MONO/STEREO** on the system to select stereo sound. **STEREO** appears when you receive an FM broadcast in stereo.

- If FM reception is weak, press **MONO/STEREO** again to select monaural. The sound is no longer in stereo, but reception should improve.

2. Repeatedly press **SKIP/TUNING**  or  on the system (or **SKIP/TUNING Up**  or **Down**  on the remote control) to tune up or down.

AUTOMATIC SEEK TUNING

1. Press **TUNER/BAND** to select AM or FM. **AM** or **FM** appears on the display.
2. Press and hold **SKIP/TUNING**  or  on the system (or **SKIP/TUNING Up**  or **Down**  on the remote control) for more than 1 second. The system automatically searches and stops when it finds the next strong station.
3. Repeat Step 2 to find the next strong station.

MEMORY TUNING

You can store up to 10 AM and 10 FM stations in memory.

Storing Stations in Memory

You can store one frequency in each memory location. When you store another frequency in the same memory location, the new frequency replaces the old one.

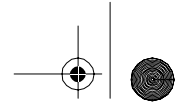
1. Press **TUNER/BAND** to select AM or FM. **AM** or **FM** appears on the display.
2. Using either manual or automatic seek tuning, select the station you want to store, then press **ENTER**. **MEMORY**, the frequency, and the memory location number appear on the display.
3. Press **SEARCH/SCAN** ◀◀ or ▶▶ on the system (or the numbered button on the remote control) to select the desired memory location number (1–10).

Note: If **MEMORY** disappears before you select a memory location, repeat Steps 2–3.

4. Press **ENTER**. The station is stored. **MEMORY** disappears, and the display shows the frequency and the memory location number.

Tuning to a Preset Station

Repeatedly press **SEARCH/SCAN** ▶▶ or ◀◀ on the system (or press the memory location number on the remote control) to select a radio station stored in memory.



USING THE CD CHANGER

LOADING A CD

1. Press **CD PLAY/PAUSE**.

To load a CD in the third tray, press **DISC/SKIP**. The carousel rotates, exposing the other tray.

2. Press **OPEN/CLOSE** to open the CD compartment. **OPEN** appears on the display.

4. After you load the CDs, press **OPEN/CLOSE** to close the CD compartment. **LOAD** appears on the display. The system displays the current disc number, the first track number, and total playing time of the CD in the selected tray.

The CD carousel has three trays, each labeled with a number, but only two trays show when you open the CD compartment.

3. Place a CD in either (or both) of the exposed trays with the label side up.

PLAYING A CD

To play a CD, press **CD PLAY/PAUSE**. The selected CD begins to play from Track 1. The display shows $\rightarrow$, the current disc and track number, and the track's elapsed time. The system plays all the loaded CDs once.

Notes:

- While a CD is playing, you can press **OPEN/CLOSE** to load two other CDs in the trays without interrupting play, but you cannot use **DISC/SKIP** to rotate the carousel. Pressing **OPEN/CLOSE** while a CD is playing will cancel any stored programs and the **REPEAT** and **RANDOM** functions.

- If a tray does not contain a CD, the system skips that tray and automatically plays the CD in the next tray.
- If none of the trays contain a CD, **no dISC** appears.

To temporarily stop play, press **CD PLAY/PAUSE**. **Y** appears, the MUTE indicator lights, and the elapsed timer stops counting. To resume play, press **CD PLAY/PAUSE** again.

To stop play, press **STOP**.

SELECTING A CD

To select the next CD, press **DISC/SKIP** before or during play. If the system is playing a CD, it stops playing it and begins playing the first track of the next CD.

You can also select another CD by pressing **DISC NUMBER 1, 2, or 3** on the system (or **Disc 1, Disc 2, or Disc 3** on the remote control) before or during play. The disc number appears and the first track of the selected CD begins playing.

SELECTING A TRACK

To select a specific track on a CD, press the desired track's number on the remote control. For example, to select track number 7, press **7**.

Notes:

- To select track 10, press **+10** then **0**.
- To select a track number greater than 10, press **+10** then the number's second digit. For example, to select track number 12, press **+10** then **2**.

AUTOMATIC SEARCH

The automatic search feature lets you quickly locate the beginning of any track on a CD, including the track currently playing. You can use automatic search when a CD is playing or stopped.

If a CD is playing:

- Press **SKIP/TUNING** / on the system (or **SKIP/TUNING**  **Down** on the remote control) to skip to the beginning of the current track. The track begins to play.
- Repeatedly press or hold down **SKIP/TUNING** / or **Y** on the system (or **SKIP/TUNING**  **Down** or **Up**  on the remote control) to skip backward or forward to the beginning of the desired track.

If a CD is stopped, you can only skip forward by pressing **SKIP/TUNING** **Y** on the system (or **SKIP/TUNING** **Up**  on the remote control).

AUDIBLE SEARCH

To search forward or backward during play, press and hold down **SEARCH/SCAN**  or . The CD plays rapidly and you hear the music at a high speed and low volume.

Release the button to resume normal play.

RANDOM PLAY

This feature randomly selects and plays tracks from all loaded CDs. (To randomly select tracks from only one or two CDs, you must load only those CDs in the CD tray.)

1. Press **STOP** to cancel any CD function.
2. Press **RANDOM**. **RANDOM** appears on the display. The system randomly selects a track, plays it, then continues randomly playing tracks until all tracks on all loaded CDs are played.

Notes:

- **RANDOM** flashes while the system is changing CDs, then appears steadily when a CD plays.
 - To repeat the current track, press **SKIP/TUNING** / on the system (or **SKIP/TUNING**  **Down** on the remote control). To play the next random track, press **SKIP/TUNING**  on the system (or **SKIP/TUNING** **Up**  on the remote control).
 - To repeat random play, before the last track ends, press **REPEAT** so **REPEAT** appears on the display.
3. To stop random play, press **RANDOM** so **RANDOM** disappears from the display.

REPEAT PLAY

You can repeat a single track on a selected CD, all tracks on a selected CD, all tracks on all loaded CDs, or a programmed sequence.

To repeat a single track, press **REPEAT** while the desired track is playing. **REPEAT ONE** appears on the display, and the CD player continuously replays the track.

To repeat all tracks on a selected CD, press **DISC/SKIP** to select the desired CD. Then repeatedly press **REPEAT** until **REPEAT ONE DISC** appears.

To repeat all tracks on all loaded CDs, repeatedly press **REPEAT** until **REPEAT ALL DISC** appears.

To repeat a programmed sequence (see "Programmed Play"), press **REPEAT** while the programmed sequence is playing. **REPEAT** appears, and the CD player continuously replays the programmed sequence.

To cancel repeat play at any time, repeatedly press **REPEAT** until **REPEAT** disappears from the display.

PROGRAMMED PLAY

You can program up to 32 tracks from any loaded CDs to play in any order you choose.

Programming and Playing a Sequence of Tracks

1. Press **STOP** to cancel any CD function.
2. Press **PROGRAM**. The display shows **PROGRAM - - - P-01** (the first empty position in the programmed sequence).

3. Select the CD containing the tracks you want to store.
4. Press **SKIP/TUNING** / or **Y** on the system (or **SKIP/TUNING** **Left Arrow** **Down** on the remote control) to select the track you want to store.
5. Press **ENTER**. The track is stored and the display shows **PROGRAM - - - P-02**.
6. Repeat Steps 3–5 to program additional tracks.

Note: **FULL** appears on the display after you store the 32nd track.

7. Press **CD PLAY/PAUSE**. The CD player plays the tracks in the programmed order. **PROGRAM**, the current disc and track number, and the track's elapsed time appear on the display.
8. To stop playing a programmed sequence, press **STOP**.

Notes:

- During play, you can press **SKIP/TUNING** / or **Y** on the system (or **SKIP/TUNING** **Left Arrow** **Down** or **Up** **Right Arrow** on the remote control) to select a programmed track.
- Pressing **DISC/SKIP** has no effect while a programmed sequence plays.

Reviewing the Programmed Sequence

While play is stopped, repeatedly press **PROGRAM** to review the programmed sequence. The program number flashes, and the disc and track number appear.

Replacing/Adding a Track in a Programmed Sequence

Note: You can replace a programmed track or add to the end of the sequence, but you cannot insert a track in the sequence.

1. While play is stopped, repeatedly press **PROGRAM** until the number you want to replace or the first empty program space (**DISC -**, **TRACK - -**) appears.
2. Select the CD containing the new track.
3. Press **SKIP/TUNING /** or **Y** on the system (or **SKIP/TUNING** **◀** **Down** or **Up** **▶▶** on the remote control) until the desired track appears on the display.
4. Press **ENTER**. The new track replaces the previous track or is added to the end of the programmed sequence.

Clearing the Programmed Sequence

To clear the entire programmed sequence, press **OPEN/CLOSE** while the CD is stopped.

VIEWING THE TIME REMAINING AND ELAPSED

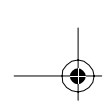
You can view the remaining and elapsed time of a track or CD at any time during CD playback.

While a CD is playing, press **TIME** on the system. **REMAIN** and the remaining time of the current track appear.

Press **TIME** on the system again. **TOTAL** and the elapsed playing time of the current CD appear.

Press **TIME** on the system once more. **TOTAL**, **REMAIN**, and the remaining time of the current CD appear.

Press **TIME** on the system again to return to the normal display.



USING THE CASSETTE DECK

You can use the system's two cassette decks for normal playback, consecutive play, and recording.

Both decks have a full-release auto-stop system to protect tapes and prevent pinch roller damage. When a tape reaches the end while playing or recording, it automatically stops and the tape-handling parts automatically release.

To use a cassette deck, use the control buttons under the deck where the tape is loaded.

2. Press **TAPE**. **TAPE** appears.

3. Press **STOP/EJECT** to open the cassette compartment door.

LOADING A CASSETTE TAPE

Follow these steps to load a cassette tape in either TAPE 1 or TAPE 2.

1. Before loading a cassette tape, take up any slack in the tape by turning one of the cassette's hubs with a pencil. If you do not remove excess slack, the tape might become tangled in the record/playback mechanism.

4. Load the cassette by placing it in the tape guides in the cassette compartment door, with its open edge down, the desired side facing out, and its full reel to the left.

5. Gently close the compartment door.

PLAYING A CASSETTE TAPE

Follow these steps to play a cassette tape in either TAPE 1 or TAPE 2.

1. Load the cassette tape.
2. Press **PLAY**. The tape plays until it reaches the end of that side, then it automatically stops.
3. Adjust **VOLUME** to the desired listening level.
4. To fast-forward or rewind the tape, press **STOP/EJECT** then press **FAST-F** or **REWIND**.

To temporarily stop playback, press **PAUSE**. Press **PAUSE** again to continue playback.

5. To stop fast-forward, rewind, or playback, press **STOP/EJECT**.
6. To open the cassette compartment and remove the cassette tape, press **STOP/EJECT** while the cassette player is stopped.

USING CONSECUTIVE PLAY

You can set the System 742 to play one side of a tape in TAPE 2, then automatically play one side of a tape in TAPE 1.

1. Load the cassette tape you want to hear first in TAPE 2 and the second cassette tape in TAPE 1.
2. Press **PLAY** on TAPE 2. The cassette in TAPE 2 plays.
3. While the cassette in TAPE 2 is playing, press **PAUSE** then **PLAY** on TAPE 1.

When the cassette in TAPE 2 finishes playing, the cassette in TAPE 1 automatically begins playback.

RECORDING

Notes:

- Be sure the erase-protection tab for the cassette tape you want to record on is in place (see "Preventing Accidental Erasure" on Page 32).
- The recording level is preset. Adjusting **E-BASS** or **VOLUME** does not affect the recording level or sound quality.

Caution: Do not force down **RECORD**. This can damage the recording mechanism.

Dubbing Cassette Tapes

You can easily copy a tape by playing it in TAPE 2 and recording it onto another tape in TAPE 1. You can select between normal and high-speed dubbing, and you can monitor the tape as you dub it.

1. Load the cassette you want to copy from into TAPE 2 and a blank cassette, or one you want to record over, into TAPE 1.

2. On TAPE 1, press **PAUSE** then **RECORD**. **PLAY** on TAPE 1 automatically locks down.

3. On TAPE 2, press **PLAY**. **PAUSE** on TAPE 1 releases and the system begins recording from TAPE 2 to TAPE 1.

Note: To monitor the tape while it is being recorded, adjust **VOLUME** to a comfortable listening level. (If you monitor the tape while high-speed dubbing, the sound is distorted.)

4. To record 1.8 times faster than normal recording (but at a lower sound quality), press **HIGH SPEED DUBBING** until the **HIGH SPEED DUBBING** indicator turns on.

To record at normal speed, press **HIGH SPEED DUBBING** until the **HIGH SPEED DUBBING** indicator turns off.

5. To stop copying, press **STOP/EJECT** on both decks.

When the tape in either deck reaches the end, that deck automatically turns off. If the cassette in the other deck has not run out of tape, that tape continues to record or play. If you use high-speed dubbing, the tape continues to play/record at normal speed (instead of high speed).

Copying a CD to a Cassette Tape

Follow these steps to copy tracks from the loaded CDs to a cassette tape in TAPE 1.

1. Load a blank cassette tape, or one you want to record over, into TAPE 1.
2. Press **PAUSE** then **RECORD**.
3. Press **CD PLAY/PAUSE** to select the CD player.
4. Load the desired CDs in the CD player.
5. Set **RANDOM** or **REPEAT** or store a programmed sequence, if desired.

6. Press **PAUSE** on TAPE 1 to release it, then **CD PLAY/PAUSE** to start the CD player. The system records from the CD onto the cassette tape.

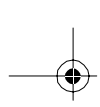
7. To stop recording before the end of the tape or CD, press **STOP/EJECT** on TAPE 1, then press **STOP** on the CD player.

CD Synchro Dubbing

You can start the CD and recording at the same time (synchronously).

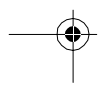
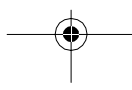
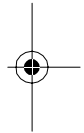
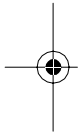
Follow the steps in "Loading a CD" and "Playing a CD" on Page 16 to load a CD and to select the desired CD and track number.

1. Load a blank tape, or one you want to record over, into TAPE 1.
2. Press **CD PLAY/PAUSE** twice. **Y** appears.
3. Press **RECORD** on TAPE 1. **PLAY** automatically locks down, the CD player starts playing, and recording begins.
4. Press **STOP/EJECT** on TAPE 1 to stop recording.
5. Press **STOP** to stop the CD.



Recording from the Tuner

1. Load a blank cassette tape, or one you want to record over, in TAPE 1.
2. Press **PAUSE** then **RECORD**.
3. Press **TUNER/BAND**.
4. Select the desired station, then press **PAUSE** on TAPE 1. The cassette records until it reaches the end of the side, then it automatically stops.
5. To stop recording before it automatically stops, press **STOP/EJECT** on TAPE 1.



USING THE TIMERS

USING THE ON/OFF TIMER

You can set the system to automatically turn on, play or record from the tuner or a CD, then turn off.

Setting the Timer

1. While the system is off, press **SEARCH/SCAN** **▶▶** on the system or on the remote. **ON** appears and the hour digits flash on the display.
2. Set the start time by following Steps 2–4 in “Setting the Clock” on Page 11.
3. Press **ENTER**. **OFF** appears and the hour digits flash on the display.
4. Set the end time by following Steps 2–4 in “Setting the Clock” on Page 11.
5. Press **ENTER**. **TUNER** or **CD** flashes on the display.

6. Press **SKIP/TUNING** / or **Y** on the system (or **SKIP/TUNING** **◀◀** **Down** or **Up** **▶▶** on the remote control) until the desired function appears.

If you selected **CD**, press **ENTER**. The system returns to the time display and the timer is set.

If you selected **TUNER**:

- a. Press **ENTER**. **AM** or **FM** flashes on the display.
- b. Press **SKIP/TUNING** / or **Y** on the system (or **SKIP/TUNING** **◀◀** **Down** or **Up** **▶▶** on the remote control) until the desired band appears.
- c. Press **ENTER**. The memory location flashes and the station appears.
- d. Press **SKIP/TUNING** / or **Y** on the system (or **SKIP/TUNING** **◀◀** **Down** or **Up** **▶▶** on the remote control) to select the desired memory location.
- e. Press **ENTER**. The timer is set.

Note: When setting the timer with **TUNER** selected, you can only select stations stored in memory (see “Storing Stations in Memory” on Page 15).

Turning the Timer On/Off

While the system is off, press **SEARCH/SCAN** ◀ on the system or on the remote to turn the timer on. **TIMER ON** and the preset start time appear for about 10 seconds. Then the display returns to the time display and **TIMER** appears.

When the set start time arrives, the system automatically turns on, plays, and turns off at the set end time. The system turns on again the next day at the set start time.

To turn off the timer, press **SEARCH/SCAN** ◀ on the system or on the remote twice so **TIMER ON** disappears from the display.

Displaying the Timer

1. While the system is off, press **SEARCH/SCAN** ▶ on the system or on the remote. **TIMER ON** appears and the hour digit(s) of the start time flash.
2. Press **ENTER**. The minute digits of the start time flash.
3. Press **ENTER**. **TIMER OFF** appears and the hour digit(s) of the end time flash.
4. Press **ENTER**. The minute digit(s) of the end time flash.
5. Press **ENTER**. The system returns to the time display after about 10 seconds.

You can also change the timer's start and end time while displaying the timer (see "Setting the Timer" on Page 27).

TIMER RECORDING

You can set the system to automatically turn itself on, record from a selected audio source (such as the tuner or a CD) onto a cassette tape in TAPE 1, then turn itself off at the time you set.

1. Repeat Steps 1–6 in "Setting the Timer" on Page 27 to set the start and end times and select the source you want to record from.
2. While the system is off, load a blank cassette tape, or one you want to record over, in TAPE 1.
3. Press **RECORD**.

Caution: Do not force down **RECORD**. This can damage the record mechanism.

4. Press **SEARCH/SCAN** ◀ to turn on the timer.

At the preset time, the system turns itself on and records onto the cassette tape in TAPE 1 until the end time is reached.

Caution: If the cassette's length is longer than the timer recording period, **RECORD** and **PLAY** stay locked down when the timer turns off. To prevent accidental tape tangling, press **STOP/EJECT** on TAPE 1 as soon as possible after the timer turns off.

To turn off the timer, press **SEARCH/SCAN**  twice until **TIMER** and **ON** disappear from the display.

To change the sleep timer setting, repeatedly press **SLEEP** until the desired time appears on the display. The displayed time decreases in 10-minute increments.

The system turns itself off after the amount of time you selected. To turn off the sleep timer sooner, repeatedly press **SLEEP** so **SLEEP** disappears from the display.

USING THE SLEEP TIMER

You can set the system to play up to 90 minutes, then automatically turn off.

1. Press **TUNER/BAND**, **TAPE**, or **CD PLAY/PAUSE** to select the desired audio source.
2. Tune to the desired AM or FM radio station, or start the selected CD or tape.
3. To turn on the sleep timer, press **SLEEP** on the remote control. **SLEEP** flashes and **90** appears on the display.

CARE AND MAINTENANCE

Your Optimus System 742 Mini Stereo Component System is an example of superior design and craftsmanship. The following suggestions will help you care for the system so you can enjoy it for years.



Keep the system dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.



Handle the system gently and carefully. Dropping it can damage circuit boards and cases and can cause the system to work improperly.



Use and store the system only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.



Keep the system away from dust and dirt, which can cause premature wear of parts.



Wipe the system with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the system.

Modifying or tampering with the system's internal components can cause a malfunction and might invalidate your system's warranty and void your FCC authorization to operate it. If your system is not performing as it should, take it to your local RadioShack store for assistance.

RESETTING THE SYSTEM

If the system locks up after a power outage, has no display, or has an abnormal display, reset the system by using a round-headed object, such as a ball-point pen, to press **RESET** on the back of the system. The **STAND BY** indicator lights and **AM 12:00** flashes on the display.

- Always handle a CD by the edges to avoid fingerprints and always keep it in its protective case or sleeve when it is not in use. Fingerprints and scratches on the CD's surface can prevent the laser beam from correctly reading the digital information. If the CD gets scratched, use Scratch 'n Fix (RadioShack Cat. No. 42-127).

TAPE TIPS

Erasing a Cassette Tape

To erase a previously recorded section of a tape, simply record over it. To erase the entire cassette tape, let the tape record to the end with no source playing.

You can quickly erase both sides of a cassette tape using a bulk tape eraser (such as Cat. No. 44-232).

CD CARE TIPS

Even though a CD is very durable, treat its surface with care. We recommend that you:

- Do not write on either side of the CD, particularly the non-label side (signals are read from the non-label side).
- Do not store CDs in high temperature, high-humidity locations. They might warp.
- Keep CDs dry. A water drop can act as a lens and affect the laser beam's focus.

Preventing Accidental Erasure

Cassette tapes have two erase-protection tabs — one for each side. To protect a recording from being accidentally recorded over or erased, use a screwdriver to remove one or both of the cassette tape's erase-protection tabs.

If you want to record on a tape side after you have removed the erase-protection tab, place a piece of strong plastic tape over that side's erase-protection hole. Be sure you cover only the hole originally covered by the erase-protection tab.

Note: Removing the erase-protection tabs does not prevent a bulk eraser from erasing a cassette tape.

Restoring Tape Tension and Sound Quality

After you play a cassette tape several times, the tape might become tightly wound on the reels. This can cause playback sound quality to deteriorate.

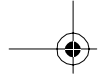
To restore the sound quality, fast-forward the tape from the beginning to the end of one side, then completely rewind it. Then loosen the tape reels by gently tapping each side of the cassette's outer shell on a flat surface.

Caution: Be careful not to damage the cassette when tapping it. Do not touch the exposed tape or allow any sharp objects near the cassette.

Cleaning the Tape-Handling Parts

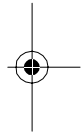
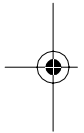
Dirt, dust or particles of the tape's coating can accumulate on the tape heads and other parts that the tape touches. This can greatly reduce the performance of the cassette player. Use the following cleaning procedure after every 20 hours of tape player operation. Your local RadioShack store sells a wide selection of cassette deck cleaning supplies.

1. Disconnect power.
2. Open both cassette compartment doors.

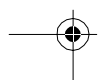
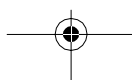


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3. Press **PLAY** on both decks to expose the tape-handling parts.
 4. Use a cotton swab dipped in denatured alcohol or tape head cleaning solution to clean the record/play head, pinch rollers, capstans, tape guides, and erase head.
 5. When you finish cleaning, press **STOP/EJECT** on both decks and close the cassette compartment doors. Then reconnect power.
- Note:** All settings will need to be re-entered.

TAPE 1



TAPE 2



SPECIFICATIONS

Cassette

Tape Speed	1 ⁷ / ₈ ips
Wow and Flutter	0.35% WRMS
Frequency Response	125 Hz–8 kHz ±4 dB
Recording System	AC Bias
Erase System	Magnetic

CD Player

Number of Tracks to be Programmed	32 Tracks
Frequency Response	61 Hz–16 kHz ±3 dB
Dynamic Range	72 dB
Signal-to-Noise	50 dB
Harmonic Distortion (at 1 kHz)	0.5%
Separation (at 1 kHz)	40 dB
Sampling Frequency	44.1 kHz
Quantization Number	16 Bit
Oversampling	2 Times
Pick-Up System	Sony KSM-213BCM
Optical Source	Sony KSS-213B
Wavelength	790 nm

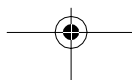
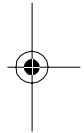
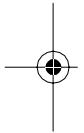
General

Speaker Impedance	8 Ohms
Power Output	10 Watts per Channel
Dimensions of Unit (HWD)	11 ¹³ / ₁₆ × 11 × 11 ¹³ / ₁₆ Inches (300 × 280 × 300 mm)
Dimensions of Each Speaker (HWD)	11 ¹³ / ₁₆ × 7 ¹³ / ₁₆ × 6 ⁵ / ₁₆ Inches (360 × 200 × 160 mm)
Weight	27 lb 5 oz (12.4 kg)
Power Supply	120V AC, 60 Hz, 48 W
Tuning Range	AM: 530–1710 kHz FM: 88–108 MHz
Speaker Size	5 Inches

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.



NOTES



Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, Dept. W, 100 Throckmorton St., Suite 600, Fort Worth, TX 76102

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